

## Summary Table of Fish Passage Model Value Modifications

1/26/2004

### Original Model Values

	Best Case	Expected	Worst Case
Prespawn Mortality Survival Rate (%)	67%	57%	49%
Egg Deposition to Emergence Survival (%)	32%	20%	7%
In-River Rearing, Stream Type (%)	48%	28%	8%
In-River Rearing, Ocean Type (%)	95%	90%	80%
<b>In River Egg to Smolt Survival Rate, Stream Type (%)</b>	<b>15.36%</b>	<b>5.60%</b>	<b>0.56%</b>
<b>In River Egg to Smolt Survival Rate, Ocean Type (%)</b>	<b>30.40%</b>	<b>18.00%</b>	<b>5.60%</b>
In Reservoir Mortality Survival Rate (%)	75%	72%	66%
Proportion of Juvenile Capture (%)	2%	1%	0%
<b>Feather River In-River</b>			
Juvenile Release Survival Rate (%)	48%	28%	8%
Ocean Survival Rate, Stream Type (%)	7%	5%	3%
Ocean Survival Rate, Ocean Type (%)	6%	4%	2%
Immigration Survival Rate (%)	85%	75%	65%
Homing Rates (%)	98%	92%	86%
Ladder Capture Efficiency (%)	97%	94%	88%
<b>Juvenile Release to Adult Capture, Stream %</b>	<b>2.71%</b>	<b>0.91%</b>	<b>0.12%</b>
<b>Juvenile Release to Adult Capture, Ocean %</b>	<b>2.25%</b>	<b>0.69%</b>	<b>0.07%</b>
Marina Adult Release Efficiency (%)	75%	50%	25%

5/5/2004

### Revised Model Values

Best Case	Expected	Worst Case
97%	95%	90%
7.30%	6.40%	5.50%
9.50%	8.60%	7.70%
96%	91%	88%
95%*	95%*	95%*
1.32%	0.46%	0.16%
0.66%	0.23%	0.08%
75%	50%	25%

### Model Run Comparison

Spring-run / Lowest Cost per Fish

Original Model Values - 1/26/04

vs.

Spring-Run / Highest Fish Production

Updated Model Values - 4/27/04 run

### Original Model Results

Best Case	Expected	Worst Case
<b>Adult Return to Adult Passed Ratio</b>		
4.58	0.25	0.00
<b>Juvenile Release to Adult Passed Ratio</b>		
78.47	7.29	0.03
<b>Adult Return to Juvenile Release Ratio</b>		
0.06	0.03	0.02

### Revised Model Results

Best Case	Expected	Worst Case
<b>Adult Return to Adult Passed Ratio</b>		
2.32	0.30	0.04
<b>Juvenile Release to Adult Passed Ratio</b>		
175.63	128.37	54.76
<b>Adult Return to Juvenile Release Ratio</b>		
0.01	0.00	0.00

\* West Branch and North Fork, 23% for Middle Fork